

APPENDIX XII

INSPECTION SCHEDULE AND CHECKLISTS

FOR

~~SIEMENS WATER TECHNOLOGIES CORP~~ SIEMENS
INDUSTRY, INC.

PARKER REACTIVATION FACILITY

PARKER, ARIZONA

Revision ~~01~~
~~February 2007~~ April 2012

Siemens Industry, Inc.
DAILY RCRA INSPECTION CHECKLIST

40 CFR 264.15

CONTAINER STORAGE AREA	Acceptable	Unacceptable	Notes
RCRA containers closed during storage			
RCRA containers have required labels			
Check for leaking RCRA containers			
Check storage pad - free of cracks and gaps that would prevent a spill from being contained			
Aisles not blocked and allow inspection			
Sump clean and free of contamination			
Containers in compliance with Subpart CC			

NOTE: Response to Container leaks/spills shall be in accordance with 40 CFR 264.1086(c)(4)(iii).

UNLOADING PAD

Check for cracks/gaps and spills			
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STORAGE TANK SYSTEMS/ANCILLIARY EQUIPMENT (SEE GUIDANCE DOCUMENT FOR SPECIFIC DETAILS ON ANCILLARY EQUIPMENT)

T-1 Valves/Leaks/Piping Outside Secondary Containment			
T-1 Tank Corrosion/Signs of Leakage			
T-1 Waste Feed Cutoff (Overfill Control)- Proper Operation			
T-2 Valves/Leaks/Piping Outside Secondary Containment			
T-2 Tank Corrosion/Signs of Leakage			
T-2 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-5 Valves/Leaks/Piping Outside Secondary Containment			
T-5 Tank Corrosion/Signs of Leakage			
T-5 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-6 Valves/Leaks/Piping Outside Secondary Containment			
T-6 Tank Corrosion/Signs of Leakage			
T-6 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-18 Valves/Leaks/Piping			
T-18 Tank Corrosion/Signs of Leakeage			
T-18 Waste Feed Cutoff (Overfill Control) - Proper Operation			
T-18 Internal Tank Integrity/Internal Tank Free of Leaks			

NOTE: Inspections to be conducted according to 40 CFR 264.195. Response to Tank System leaks/spills shall be in accordance with 40 CFR 264.196.

Secondary Containment - Free of Cracks and Gaps			
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Siemens Industry, Inc.
DAILY RCRA INSPECTION CHECKLIST

40 CFR 264.15

Secondary Containment Sump - Clean and Free of Contaminants			
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Carbon adsorption systems (WS-1, WS-2, WS-3) - Check for leaks, proper operation.			
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TRANSFER EQUIPMENT

Hopper H-1 - Leaks/Corrosion			
Hopper H-2 - Leaks/Corrosion			

THERMAL TREATMENT SYSTEM

RF-2 Associated Equipment - Dewater Screw Corrosion			
RF-2 Associated Equipment - Weigh Belt Corrosion			
RF-2 Furnace for leaks and fugitive emissions			
RF-2 APC Equipment (Afterburner, Quench/Venturi, Packed bed, WESP, ID Fan, Pumps, etc.) for leaks, drips, spills			
CEMS Operation - Calibration - Proper Working Order			
Process monitoring instrument readouts (Control Room) - Proper Operation			
Alarms - Proper Working Order			

SAFETY EQUIPMENT

Telephone - Proper Working Order			
Lighting - Proper Operation			
SCBA's/Escape Pack - Filled Properly			
Cell Phone - Proper Working Order, charged.			

Date: _____

Inspector: _____

Siemens Industry, Inc.**WEEKLY RCRA INSPECTION CHECKLIST****40 CFR 264.15****CONTAINER STORAGE AREA****Acceptable Unacceptable****Notes**

RCRA containers closed during storage			
RCRA containers have required labels			
Check for leaking RCRA containers			
Check storage pad - free of cracks and gaps that would prevent a spill from being contained			
Aisles not blocked and allow inspection			

NOTE: Response to Container leaks/spills in accordance with 40 CFR 264.1086(c)(4)(iii).

UNLOADING PAD

Check for cracks/gaps and spills			
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FUEL STORAGE

Propane Tank - Proper Working Order			
Gas/Diesel Storage - Proper Storage			
Flammable Cabinet - Grounded/Vents			

SECURITY FENCE

Security Fence - No Breaks/Holes			
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DUST COLLECTION SYSTEM

Hopper Dust Collector - Bag Condition/Pressure Drop			
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Date: _____

Inspector: _____

Siemens Industry, Inc.**MONTHLY RCRA INSPECTION CHECKLIST****40 CFR 264.15****SAFETY EQUIPMENT****Acceptable Unacceptable****Notes**

Eyewash/Shower - Pressure/Sanitation/Walkways Open			
Respirators - Proper Inventory/Inspection			
Spill Control Equipment - Accessable, Inventory			
Paging System - Proper Working Order			
Fire Extinguishers - Pressure Check			
Emergency Lighting - Proper Operation			
Fire Protection System - Alarms/Proper Water Pressure			

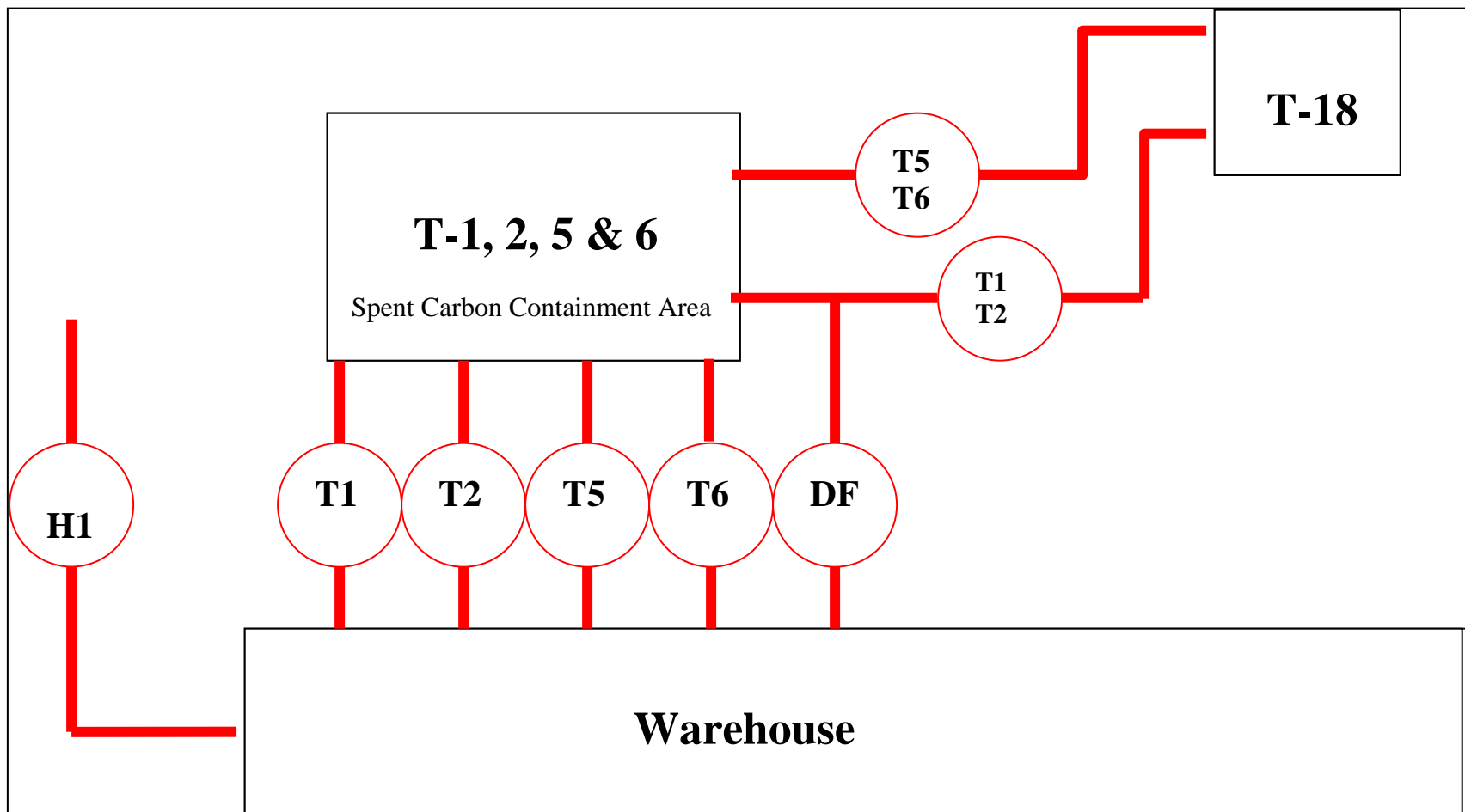
WASTE FEED CUT-OFF TEST

Furnace Feed Rate			
Minimum Afterburner Temperature			
Minimum Venturi/Quench Total Flow			
Minimum Venturi Pressure Drop			
Minimumj Packed Bed pH			
Minimum WESP Secondary Voltage			
Maximum Stack Flow			
Maximum CO Correct to 7% Oxygen			
Maximum Chlorine Feed Rate (12-Hr)			
Maximum Mercury Feed Rate (12-Hr)			
Maximum Semivolatile Feed Rate (Cd+Pb) (12-Hr)			
Maximum Volatile Feed Rate (As + Be + Cr) (12-Hr)			

Date: _____**Inspector:** _____

Inspection Points for Storage Tank Systems Ancillary Equipment

- H1:** From the hopper to the warehouse wall there are:
8 – Victaulic Couplings (or equivalent)
- T1:** From the warehouse wall to the spent carbon storage containment pad:
5 – Victaulic Couplings (or equivalent)
- T2:** From the warehouse wall to the spent carbon storage containment pad:
5 – Victaulic Couplings (or equivalent)
- T5:** From the warehouse wall to the spent carbon storage containment pad:
6 – Victaulic Couplings (or equivalent)
- T6:** From the warehouse wall to the spent carbon storage containment pad:
5 – Victaulic Couplings (or equivalent)
- T5/6:** From the spent carbon storage containment pad to T-18:
13 – Victaulic Couplings (or equivalent)
2 – Ball Valves
1 – Pipe Tee
6 – Welded Flanges
1 – Air Connection
1 – Bushing Reducer
- T1/2:** From the spent carbon storage containment pad to T-18:
16 – Victaulic Couplings (or equivalent)
2 – Ball Valves
1 – Pipe Tee
6 – Welded Flanges
1 – Air Connection
1 – Sanitary Y Pipe
- DF:** Direct Feed Bypass line direct from H-2 to T-1 feed line for T-18:
3 – Victaulic Couplings (or equivalent)
1 – Gate Valve
2 – Welded Flanges
2 – Welded Male Cam & Groove Connections
1 – Soft Plumbing with Female Cam & Groove Connections at each end.



Schematic of Piping/Fittings/Couplings to be Inspected